

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-34 (cancelled).

35 (currently amended). A method of treating a patient for memory loss associated with aging comprising administering to that patient a therapeutically effective amount of at least one of D-β-hydroxybutyric acid, acetoacetate, or a metabolic precursor or physiologically acceptable salt of D-β-hydroxybutyric acid or acetoacetate, such as to elevate the patient's blood levels of ketone bodies, defined as the sum total of D-β-hydroxybutyric acid and acetoacetate, to a therapeutic level effective to treat the disorder, wherein the patient's blood level is elevated to from 0.3mM to 20mM , wherein the metabolic precursor is selected from the group consisting of:

- (i) medium chain length triglycerides,
- (ii)(i) oligomers of D-β-hydroxybutyric acid,
- (ii)(ii) esters of D-β-hydroxybutyric acid or its oligomers with monohydric, dihydric or trihydric alcohols or with acetoacetate,
- (ii)(iii) esters of acetoacetate with monohydric, dihydric or trihydric alcohols,

wherein the monohydric, dihydric or trihydric alcohols in (ii) and (iii) and (iv) are selected from the group C1-C4 alkyl alcohols, (R)-1,3-butandiol and glycerol.

VEECH, Richard L.
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36-37 (canceled).

38 (previously presented). A method as claimed in Claim 35 wherein the memory loss associated with ageing is caused by Alzheimer's disease or an inability to metabolise glucose.

39 (canceled).